

SPECIFIC GRAVITY TEST

Date _____

Project _____

Boring No. _____

SPECIFIC GRAVITY OF SOLIDS (G_s)

Sample or Specimen No.							
Flask No.							
Temperature of water and soil, T, °C							
Dish No.							
Weight in grams	Dish + dry soil						
	Dish						
	Dry soil	W _s					
	Flask + water at T, °C	W _{bw}					
	W _s + W _{bw}						
	Flask + water + immersed soil	W _{bws}					
	Displaced water, W _s + W _{bw} - W _{bws}						
Correction factor		K					
(W _s K) ÷ (W _s + W _{bw} - W _{bws})		G _s					

APPARENT (G_a) AND BULK (G_m) SPECIFIC GRAVITY

Sample or Specimen No.							
Temperature of water and soil, T, °C							
Weight in grams	Tare + saturated surface-dry soil						
	Tare						
	Saturated surface-dry soil	B					
	(Wire basket + soil) in water						
	Wire basket in water						
	Saturated soil in water	C					
	Tare + dry soil						
	Tare						
	Dry soil	A					
Correction factor		K					
(AK) ÷ (A - C) (Apparent)		G _a					
(AK) ÷ (B - C) (Bulk)		G _m					

Remarks _____

Technician _____ Computed by _____ Checked by _____